

IN THE CLAIMS:

1. (Currently Amended) A metal halide lamp comprising:
an arc tube having an envelope made of translucent ceramic, a pair of electrodes disposed therein, and one or more halides are enclosed therein; and

a casing tube surrounding at least a portion of the arc tube, the portion positionally corresponding to, in a radial direction of the arc tube, a space between the electrodes, wherein

$L / D \geq 4$, where L is a length of the space between the electrodes and D is an internal diameter of the arc tube, and

$R / r \geq 3.0$, where R is an internal diameter of the casing tube and r is an external diameter of the arc tube, within a region positionally corresponding to, ~~in the radial direction,~~ the space between the electrodes, ~~on a cross-sectional surface~~ where an outer circumference surface of the arc tube comes closest to an inner circumference surface of the casing tube, in a radial direction.

2. (Original) The metal halide lamp of Claim 1, wherein $4.7 \leq R / r \leq 8.0$.

3. (Original) The metal halide lamp of Claim 1, wherein $4 \leq L / D \leq 10$.

4. (Original) The metal halide lamp of Claim 2, wherein $4 \leq L / D \leq 10$.

5. (Original) The metal halide lamp of Claim 1, wherein the arc tube is disposed in

a hermetically-sealed space, and

a degree of vacuum in the space is no more than 1×10^1 Pa at 300 K.

6. (Original) The metal halide lamp of Claim 4, wherein the arc tube is disposed in a hermetically-sealed space, and

a degree of vacuum in the space is no more than 1×10^1 Pa at 300 K.

7. (Original) The metal halide lamp of Claim 5, wherein one or more oxygen-releasing getters are disposed in the space.

8. (Original) The metal halide lamp of Claim 6, wherein one or more oxygen-releasing getters are disposed in the space.

9. (Original) The metal halide lamp of Claim 1, wherein the halides include sodium.

10. (Original) The metal halide lamp of Claim 8, wherein the halides include sodium.

11. (Previously Presented) A luminaire comprising:
a metal halide lamp recited in Claim 1; and
a lighting circuit for illuminating the metal halide lamp.